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WAISserves

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How WAIS fits into the Current Internet Environment _ but uses for last - Dec Gth available

The Internet

The Internet consists of over 25,000 interconnected networks internationally. User growth has been explosive - an estimated 25 million people using email over the Internet worldwide and new users growing by more than one million a month. While a substantial portion of the users have traditionally come from the education and government sectors, businesses now account for the most rapid growth in See D-Commercial over free wars server newly registered networks.

Finding Information on the Internet

@ Rensed Frake list for 12.0 People primarily use the Internet as a means to communicate (through electronic Belevices mail) and as a way of accessing information contained in various locations on the Internet. Software programs which let users browse, or "surf the net" are useful for seeing what is available on the Internet. It is difficult to know what information is out there since the Internet is a distributed network and there can be no central Alaston his WAIS as a core information retrieved technology 1985-1986 authority with the ability to create a comprehensive index of information.

The World Wide Web (WWW) and Hypertext Ge WAIS technique

The WWW project was started by CERN (the European Laboratory for Particle Physics) as a distributed hypertext program used over the Internet. In a hypertext document you can "point and click" on highlighted items which point to text in another location in the document. With hypertext, the highlighted items (text or graphics), can point to a wide range of media -- text, images, sound, etc. The WWW allows for hypertext browsers which can link one document to other documents in different locations on the Internet. The browser programs read and fetch documents from this "web" of existing locations on the Internet.

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Gopher was originally developed in April 1991 at the University of Minnesota. The Internet Gopher client/server provides a distributed information delivery system. While providing a delivery vehicle for local information, Gopher facilitates access to other Gopher and information servers throughout the world. The Unix gopher server has the capability to be queried by WWW (World Wide Web) clients (either using built in gopher querying or using native http querying.

- better searching

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Veronica: Very Easy Rodent-Oriented Net-wide Index to Computerized Archives.

Veronica offers a keyword search of most gopher-server menu titles in the entire gopher web. As archie is to ftp archives, veronica is to gopherspace. A veronica search produces a menu of gopher items, each of which is a direct pointer to a gopher data source. Because veronica is accessed through a gopher client, it is easy to use, and gives access to all types of data supported by the gopher protocol.

the dominant use interface of those on the Internet

- --Internet, what it is, who uses it, explosive growth, impact on business sector
- -Access to the Internet through client software people need to find their way around this huge mass of locations, databases: people use email to communicate, but people need to browse to find different locations- surf the net, see what is out there.
- -The WWW developed as a browsing program- brief history of CERN, original use then further developed by NCSA.
- -Difference between the WWW how it works and the client programs. (Mosaic, Netscape)
- -What Mosaic/Netscape can do, what they can't do. They can't quickly search databases and retrieve useful information.
- -What WAIS does- it is the power behind the WEB for searching databases on the Internet.

"WAIS unlocks the content behind the WEB"

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WWW Browsers

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In Sent The National Center for Supercomputing Applications (NCSA) released the PC/Windows and the Macintosh versions of the "Mosaic" WWW browser/in September of 1993. Since that time web browsers have gained widespread popularity on the Internet. Some of the web browsers currently in use include WinWeb, Lynx, (4) Spyglass Mosaic, Internet Works, and Netscape. These browsers provide ease of use and the sensory appeal of integrated access to different types of media (graphics, text, sound, annimations). Central to the usefullness of the web browsers or "clients" is their ability to work in conjunction with other existing Internet search tools.

WAIS and WWW as complimentary technologies

66/1997

WAIS searching is an integral part of the resources available through the WWW. The WWW opens the door to a wider part of the Internet than was previously available through Gopher, a popular browsing program which predates web browsers. Using the web clients for browsing, "surfing the net", does not take full advantage of the resources available on the WWW. Placing WAIS technology behind the web enables the user to take a step beyond browsing to unlock the content. WAIS technology addresses the issue of organizing the resources to make them readily available and easy to search.

Two important methods for navigating the web ours!
browsing the arching. The aforementioned browsers solve much of the problem of browsing. WAIS provdes the technology behind the searching. Newspaper have the ability to search for specific items, etapics and also brows throughthe stories -

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